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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: US 6,799,439 B1

Issued: October 5, 2004

Serial No.: 09/601,905

Inventor: Nils LINDSKOG and Paul BUETTIKER

Title: METHOD FOR EQUALIZING TEMPERATURE DIFFERENCES IN  
MOLTEN GLASS, AND EQUIPMENT THEREFOR

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. § 1.322(a))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Certificate of Correction Branch

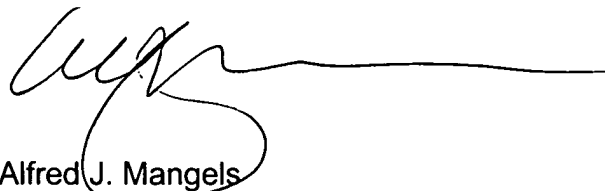
**Certificate**  
**OCT 22 2004**  
**of Correction**

Dear Sir:

1. Attached in duplicate is Form PTO/SB/44 identifying three corrections that are necessary as a result of a printing error in the above-identified patent. The necessary corrections are also noted in item 2 below.
2. Claim 1, Column 5, line 38, "topped" should read -tapped--;  
line 42, ",", should be --;--; and  
Claim 4, Column 6, line 7, "carded" should read -carried--.
3. In support of this Request, attached are copies of pages 3 and 4 of the AMENDMENT AFTER FINAL REJECTION filed on June 9, 2004, which shows the correct spelling for each of claims 1 and 4.

4. Please send the Certificate of Correction to the patentee's attorney of record at the address designated below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Alfred J. Mangels', with a long horizontal line extending to the right.

Alfred J. Mangels  
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October 12, 2004

25 OCT 2004

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : US 6,799,439 B1

Page 1 of 1

DATED : Octobre 5, 2004

INVENTOR(S) : Nils LINDSKOG and Paul BUETTIKER

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

## Column 5

Line 38, "topped should read --tapped--;  
Line 42, "," should be --;--; and

## Column 6

Line 7, "carded" should read --carried--.

## MAILING ADDRESS OF SENDER:

Alfred J. Mangels  
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Cincinnati, Ohio 45241-2433

PATENT NO. US 6,799,439 B1

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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## CLAIM AMENDMENTS

The listing below of the claims will replace all prior versions and listings of claims in the present application:

### **Listing of Claims:**

Claim 1 (previously presented): A method for equalizing temperature differences in molten glass in at least one temperature equalization zone that is in the form of side walls, a bottom wall, and a roof that define a channel to transport a glass melt, wherein the equalization zone is located upstream from a tap-off point at which the glass is tapped into a mold in a forming machine or the like, said method comprising the steps of: providing resistor heating elements within the interior of each of the temperature equalization zone side walls, bottom wall, and roof; measuring the temperatures of surfaces within the interior of the respective side walls, bottom wall, and roof that are contacted by the resistor heating elements; and controlling the resistor heating elements by an electric controller so that the temperatures of said wall surfaces within the interior of the respective walls are substantially equal to a predetermined tapping temperature of the glass melt.

Claim 2 (previously presented): A method in accordance with claim 1, including the step of spacing the resistor heating elements at substantially regular intervals along the temperature equalization zone.

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Claim 3 (previously presented): A method in accordance with claim 1, including the step of treating the temperatures of the surfaces of the respective side walls, bottom wall, and roof that are in contact with the resistor heating elements as the temperatures of the respective resistor heating elements.

Claim 4 (previously presented): A method in accordance with claim 1, including the step of forming the channel walls from a ceramic material, wherein the resistor heating elements include spiral elements carried in ceramic tubes mounted on an outer surface of the ceramic material that forms said channel walls.

Claim 5 (previously presented): A method in accordance with claim 1, including the step of forming the channel walls from a ceramic material, wherein the resistor heating elements include band-shaped resistor heating elements mounted on an outer surface of the ceramic material that forms said channel walls.

Claim 6 (previously presented): A method in accordance with claim 1, including the step of forming the temperature equalization zone to have a length corresponding to at least 1-2 times the width of said channel.

Claim 7 (previously presented): Apparatus for equalizing temperature differences in molten glass in at least one temperature equalization zone that is

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